

Comparisons of Job Characteristics

Focus Occupation: [Health Technologists and Technicians, All Other \(29-2099\)](#)

Associated Occupation: [Diagnostic Medical Sonographers \(29-2032\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.5	15.5	< Expanded education and/or training may be required
Medicine and Dentistry	3.7	14.6	15.1	0 Current knowledge level may be sufficient
Physics	4.3	14.0	2.7	<< Extensive education and/or training may be required
Biology	3.7	7.2	8.0	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Science	4.5	10.3	6.0	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.0	8.0	< A higher skill level may be required
Operation and Control	5.4	9.5	5.0	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.7	3.6	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	5.6	2.6	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Health Technologists and Technicians, All Other (29-2099) Associated Occupation: Diagnostic Medical Sonographers (29-2032)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	12.8	11.6	<	Some improvement in abilities may be required
Control Precision	6.6	11.2	7.0	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	10.3	8.7	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	10.3	8.8	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	9.4	8.3	<	Some improvement in abilities may be required
Extent Flexibility	4.8	8.8	5.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 70
Focus Occupation: Health Technologists and Technicians, All Other (29-2099) Associated Occupation: Diagnostic Medical Sonographers (29-2032)		
Tools and Technologies	Exclusivity	
Blood pressure units and related products	11	
Computers	1	
Content authoring and editing software	1	
Data management and query software	1	
Industry specific software	1	
Intravenous and arterial tubing and administration sets and related products	22	
Medical diagnostic x ray products	26	
Medical radiological imaging information and archiving products	43	
Medical radiological positioning aids	47	
Medical radiological shielding and protection products	31	
Medical ultrasound and doppler and echo imaging products	19	
Specimen collection and transport containers and supplies	14	
Vision protection and accessories	3	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.